

AGC/WSDOT Structures Team Meeting

June 13, 2003

9:00 AM –12:00 PM NWR Corson Avenue Facility

Attendees:	Company	Phone	E-mail
Hilmes Bob	WSDOT	509-324-6232	Hilmusb@wsdot.wa.gov
Kapur Jugesh	WSDOT	360-705-7209	kapurju@wsdot.wa.gov
Madden Tom	WSDOT	206-768-5861	maddent@wsdot.wa.gov
Marco Foster	WSDOT	360.428.1593	fosterm@wsdot.wa.gov
McCoy Charlie	Atkinson Const.	425-255-7551	cmcco@Atkn.com
Sheikhizadeh M.	WSDOT	360-705-7828	sheikhm@wsdot.wa.gov
Smith Tobin	Max J. Kuney	509-535-0651	tobin@maxkuney.com

The meeting started at 9:05 AM with Mo's brief remarks that he was temporarily acting as the Construction Engineer till a permanent appointment was made. Mr. Jack Ecklund attended the meeting on behalf of John Quigg. The team members extended their deepest sympathies to Millard for the recent loss in his family.

The minutes from the April meeting were approved with one minor change.

Updates on Action Items

Deck Overhang Bracket Release:

Mo presented his findings on this issue. He stated that there were no concerns with not releasing the deck overhang forms except for steel structures where the overhang brackets exert a lateral load against the web due to concrete truck loading and barrier dead weight. Analysis by the contractor must be submitted to assure that no web crippling occurs. Scott mentioned that they normally do not use the overhang brackets for support of the deck overhangs.

Action Item: Mo will work on a language change to the Standard Specs. 6-02.3(6), page 6-15.

Pumper Certification, Stand. Specs. 6-02.3(6):

Mo reported that after talking to Jerry Weigel, he had mentioned the reason this segment was added to the Standard Specs was to assure the concrete pump seals functioned properly and did not add additional water/air to the mix. The trainers had also mentioned that this requirement had not been enforced for some time. The team recommended deleting this requirement from the Specs.

Action item: Mo will delete this segment from the Standard Specs.

Formula for Determination of Concrete Cost When Strength is Not Achieved Stand. Specs 6-02.3(L):

Mo reported that even though the lower concrete strength at times may structurally be acceptable, the long-term longevity of bridges might be affected by lower than plan specified compressive strength. The \$300/c.u was devised to persuade the producers to implement a good Q/C. Bob mentioned that this amount has been in the Specs for some time and due to inflation, it may need to be increased. The team agreed to keep the \$300 without any changes.

Action Item: No changes to the Specs are needed at this time.

Stand. Specs. 6-02.3(6)A Cold Weather Protection:

Mo passed out a proposed revised version of this Spec to the team (note the attachment.) A long and healthy debate followed. By enlarge; the team was receptive to the revisions. The following comments were offered:

- In remote areas, where there are winter shut downs, why should contractors keep the concrete temperature above 50 degrees F
- Contractors should be required to submit a cold weather curing plan to the PE
- Define maturity meter in chapter 9 of the Specs
- Evaluate use of maturity meters vs. recording thermometers
- How would the contractor and the PE handle rejected concrete
- In second paragraph, delete '*when directed by the engineer*'. Place the deleted paragraph that is next to the last paragraph here.

Action Item: Mo will continue working on this Spec.

Stand. Specs. 6-02.4 Seal Measurement and Payment:

No report.

Action Item: Charlie will make a recommendation for changes to this section of the Specs at the next meeting.

New Stand. Specs Issues

Stand. Specs 6-02.3(10) – No report.

Action Item: Charlie will propose a change to the Specs at the next meeting.

Stand. Specs. 6-02.3(10)- No bridge pilot projects have been selected yet for carpet dragging in lieu of tinning.

Action Item: Jugesh will inform the group at the next meeting when/if such a pilot project is selected.

Stand. Specs 6-02.3(11)- Doug mentioned that the geosynthetic materials, used in lieu of burlap for deck curing, require less labor for placement and are more durable.

Action Item: Doug will provide Mo with a proposed spec. Mo will propose an addition to the Specs accepting geosynthetics in lieu of burlap.

Stand. Specs. 6-02.3.2(B) – Is air entrainment in concrete for curbs above ground necessary? Latest amendments to the Specs for commercial concrete have resulted in confusion for the air requirements.

Action Item: Bob will propose a change to the Specs to clarify.

Stand. Specs. 6-02.3(5C): Is the concrete that does not meet this requirement rejected? Why would inclusion of cement in excess of 1% be cause for rejection?

Action Item: Mo will investigate and report back.

Stand. Specs. 6-02.3(11)- Mo reported that there was no need for additional curing time in excess of 3 days.

Action Item: Mo will make this revision to the Specs.

Action Item: Dan was absent. Easier traffic barrier construction schemes (precast option) with prefabricated rebar cages will be deferred to a future meeting.

Team Assignments

The team members will review to discuss the Standard Specs. 6-02.3(16-17) for the July meeting. Also, refer to the attachment of pending discussion items and augment with new issues.

The following topics were selected by the team to be discussed at the July meeting:

- Item 16, Use of stay in place forms
- Item 20, camber in bridge widening/staged construction

Future Meeting Dates

The members agreed upon the following future meeting dates:

July 18, 2003

Aug. 15, 2003

Sep. 12, 2003

Oct. 10, 2003

Nov. 14, 2003

The meeting adjourned at 12:00 PM.

Next Meeting July 18, 2003, 9:00 AM Corson Ave. Facility